Sheet 1

(Use as many sheets as necessary)

PTO/SB/08A (04-03)

Approved for use through 04/30/2003. OMB 0651-0031

Not Known Yet N1085-00288

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.					
Substitute for form 1449/PTO	Complete if Known				
Cassilla of term 14407 15	Application Number	Not Known Yet 10/840 093			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Filing Date	05/06/2004			
	First Named Inventor	Chao-Lung Chen			
	Art Unit	Not Known Yet 2813			

Examiner Name

Attorney Docket Number

U. S. PATENT DOCUMENTS Name of Patentee or Applicant of Cited Document Pages, Columns, Lines, Where Relevant Passages or Relevant Document Number Publication Date Examiner No. MM-DD-YYYY Figures Appear Number-Kind Code² (F travel) ^{US-} 5,151,168 TN Α 09-29-1992 Gilton et al. ^{US-} 5,662,788 09-02-1997 Sandhu et al. В TN US- 5,723,387 03-03-1998 Chen C TN US- 6,056,864 05-02-2000 Cheuna D TN Ε US- 6,074,544 06-13-2000 Reid et al. TN US- 6,140,241 10-31-2000 Shue et al. F TN 11-20-2001 US- 6,319,831 Tsai et al. G US-US-US-US-US US US-US-US-US-IIS.

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	· .
\		Country Code ³ "Number ⁴ "Kind Code ⁵ (# known)	MM-DD-YYYY		Or Relevant Figures Appear	Τ•
		·				
						L
					<u> </u>	_

Examiner Signature	/Thanh Nguyen/ (04/28/2006)	Date Considered	04/28/2006

EXAMINER: Initial if reference considered, whether or notingitation is in conformance with MPEP 609. Draw tine through clation if not in conformance and not considered. Include copy of this form with next communication to applicant. \(^1\) Applicant's unique citation designation number (optional), \(^2\) See Kinds Codes of USPTO Patent Documents at www.usoto.gov or MPEP 901.04. \(^3\) Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). \(^4\) For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. \(^3\) Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. \(^3\) Applicant is to place a check mark here if English language Translation is attached.

Transaction is aduction.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patente, P.O. Box 1450, Aloxandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

EXPRESS MAIL LABEL NO. 394063305 US

Sheet 2

PTO/SB/08B (04-03)
Approved for use through 04/30/2003. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

N1085-00288

Under the Paperwork Reduction Act of 1995, no persons an Substitute for form 1449/PTO	Complete If Known			
Substitute to total 14437-10	Application Number	Not Known Yet 0/840 095		
INFORMATION DISCLOSURE	Filing Date	5/06/2004		
STATEMENT BY APPLICANT	First Named Inventor	Chao-Lung Chen		
(Use as many sheets as necessary)	Art Unit	Not Known Yet		
	Examiner Name	Not Yet Assigned		

Attorney Docket Number

Examiner Initials*	Cite No. ¹	NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
TN	н	SATO ET AL., "Newly Developed Electro-Chemical Polishing Process of Copper as Replacement of CMP Suitable for Damascene Copper Inlaid in Fragile Low-k		
		Dielectrics", Electron Devices Meeting, 2001. IEDM Technical Digest. International, 2-5 Dec. 2001, Pages 4.4.1 - 4.4.4		
TN	ļ	GRANDIKOTA ET AL., "Influence of Plating Parameters on Reliability of Copper Metallization", Interconnect Technology Conference, 2002. Proceedings of the IEEE		
,		2002 International, 3-5 June 2002, Pages 197 - 199		
٠,			,	
				
·				

Examiner Signature /Thanh Nguyen/ (04/28/2006)	Date Considered	04/28/2006

"EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

considered. Include copy of this form with next communication to applicant:

1 Applicant's unique dilation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

1 This collection of Information is required by 37 CFR 1.98. The Information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.